



ESTES INDUSTRIES
1295 H Street
Penrose, CO 81240
Printed In China

EX
SERIES

ALMOST READY TO FLY
(7/01) 84476

BANDIT™

FLYING MODEL ROCKET KIT INSTRUCTIONS

TOOLS REQUIRED:

ALL GLUED AREAS
ARE SHADED IN RED



SCISSORS

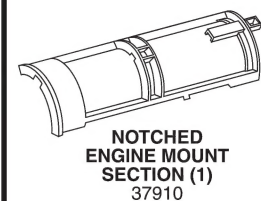


MODELING KNIFE

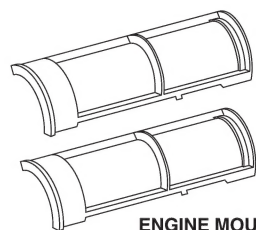


PLASTIC CEMENT

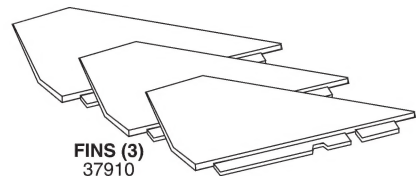
PARTS LAYOUT



NOTCHED
ENGINE MOUNT
SECTION (1)
37910



ENGINE MOUNT
SECTIONS (2)
37910



FINS (3)
37910

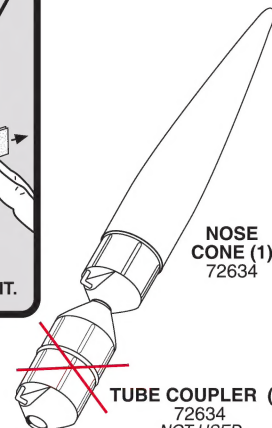
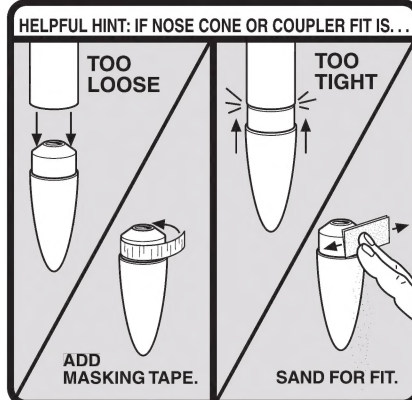


LAUNCH LUGS
(USE 2)
37910

FRONT ENGINE RING (1)
37910

ENGINE MOUNT
TUBE - 735A (1)
30331

REAR ENGINE
RING (1)
37910



NOSE
CONE (1)
72634

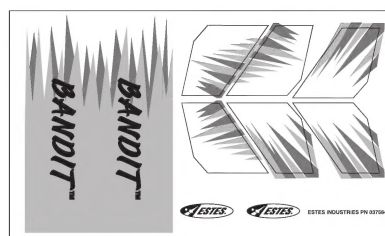
TUBE COUPLER (1)
72634
NOT USED

LOCK (1)
37910
NOT USED



SHOCK CORD
MOUNT (1)
37910

BODY TUBE (1)
31160

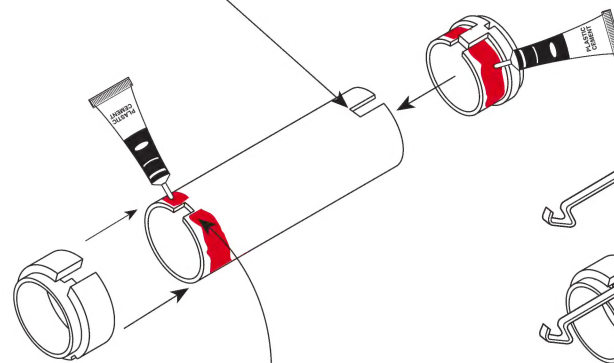


DECAL (1)
37564

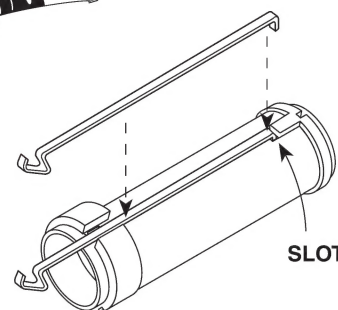
Assembled Parachute 12" (30 cm)
w/engine hook and shock cord (1)
(035804)-Supplied as set

1.

A. Apply plastic cement as shown and slide front engine ring inside engine mount tube. Line up with **long** notch.

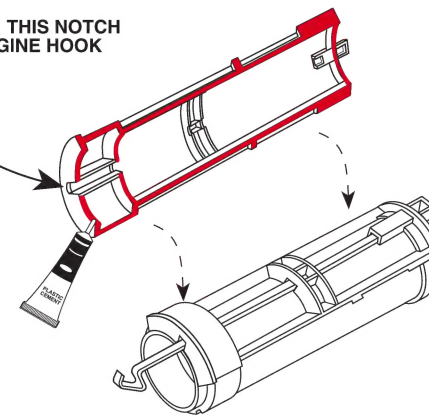


B. Slide rear engine ring over tube. Line up with **short** notch.

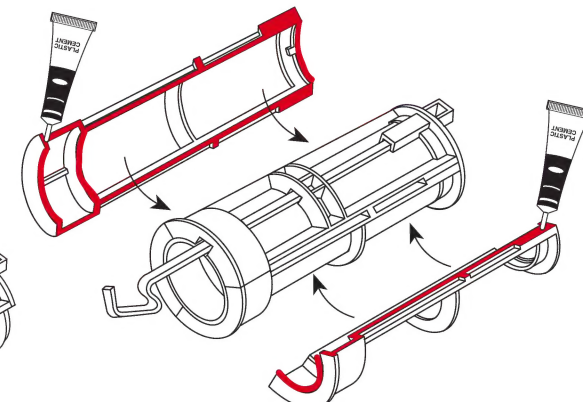


C. Attach engine hook. Push front tab through slot in tube.

IMPORTANT! THIS NOTCH GOES OVER ENGINE HOOK



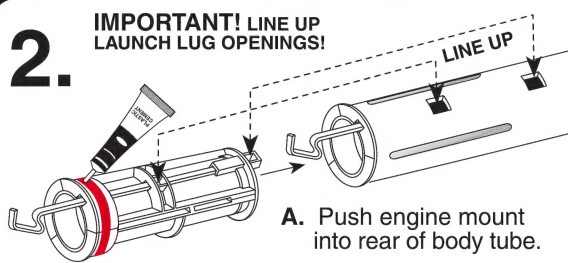
D. Apply cement to underside of **notched** engine mount section and attach.



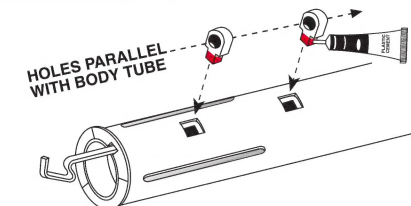
E. Now attach the remaining sections with cement as shown.

2.

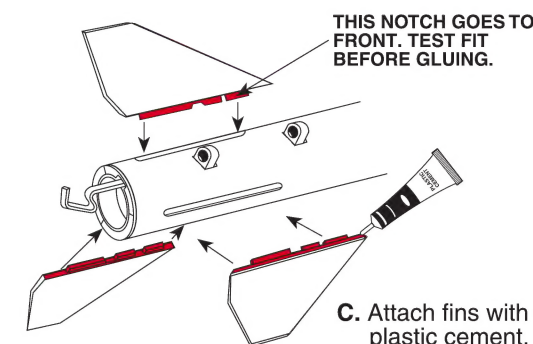
IMPORTANT! LINE UP LAUNCH LUG OPENINGS!



A. Push engine mount into rear of body tube.



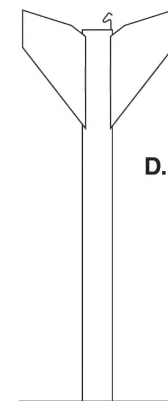
B. Attach launch lugs with plastic cement.



C. Attach fins with plastic cement.

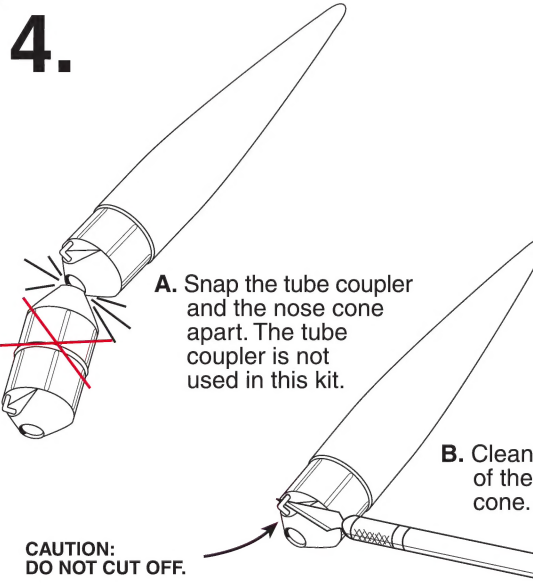
THIS NOTCH GOES TO FRONT. TEST FIT BEFORE GLUING.

D. Set rocket on table as shown so fins will stay straight while cement sets.



4.

A. Snap the tube coupler and the nose cone apart. The tube coupler is not used in this kit.

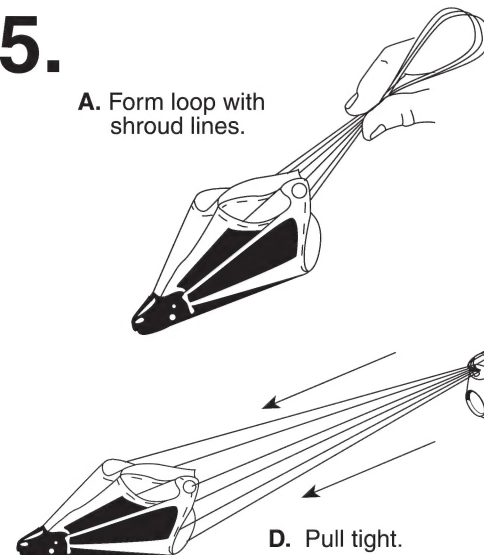


B. Clean the eye of the nose cone.

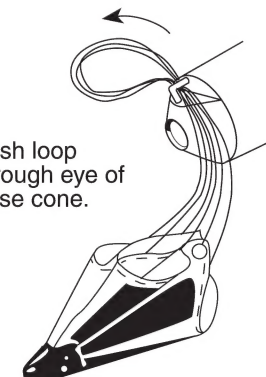
CAUTION:
DO NOT CUT OFF.

5.

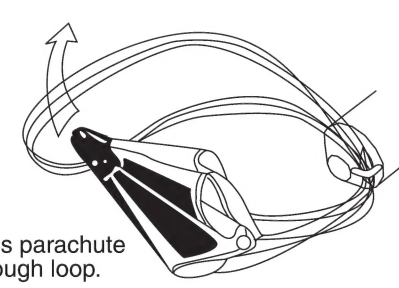
A. Form loop with shroud lines.



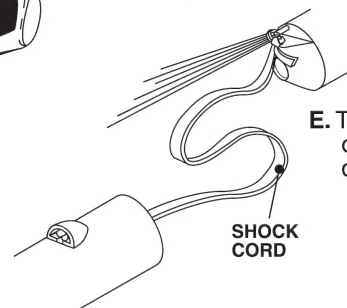
B. Push loop through eye of nose cone.



C. Pass parachute through loop.



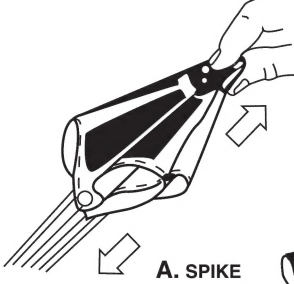
E. Tie shock cord to the eye of the nose cone with a double knot.



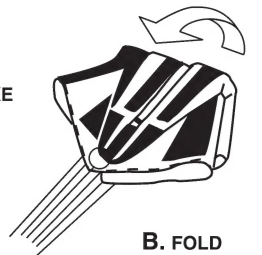
SHOCK
CORD



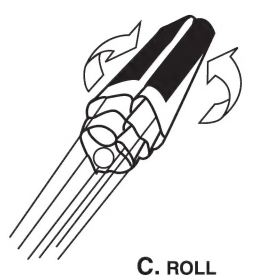
6. PACKING PARACHUTE



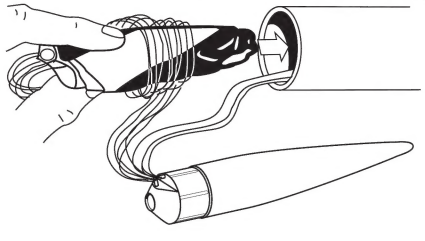
A. SPIKE



B. FOLD

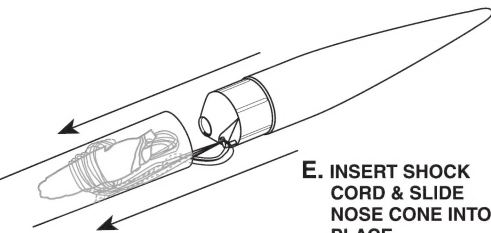


C. ROLL



D. WRAP LINES LOOSELY AROUND 'CHUTE. INSERT PARACHUTE INTO ROCKET.

NOTE: The parachute should slide easily into body tube. If too tight, unfold and repack again.



E. INSERT SHOCK CORD & SLIDE NOSE CONE INTO PLACE.

DO NOT FORGET TO PACK RECOVERY WADDING IN THE ROCKET BEFORE FLYING - SEE STEP 8

7. APPLYING DECALS

REMOVE DECALS FROM BACKING PAPER. APPLY DECALS AS SHOWN ON BOX ART. WHEN POSITIONED CORRECTLY, RUB DOWN TO REMOVE BUBBLES.



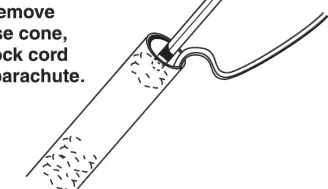
8. FLYING YOUR ROCKET

WARNING: FLAMMABLE
Before proceeding read instructions & NAR Safety Code included with engines.
PREPARE YOUR ENGINE ONLY WHEN YOU ARE OUTSIDE AT THE LAUNCH SITE PREPARING TO
If you do not use your prepared engine, remove the igniter before storing your engine.

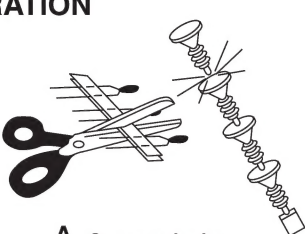
ENGINE PREPARATION

ROCKET PREPARATION

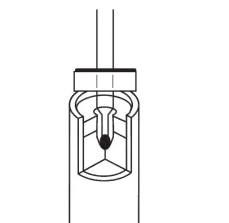
Remove nose cone, shock cord and parachute.



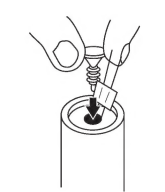
Crumple and insert three squares of recovery wadding. Repack and insert parachute, shock cord and nose cone.



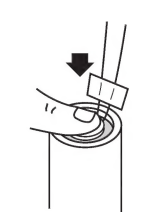
A. Separate igniter and igniter plug.



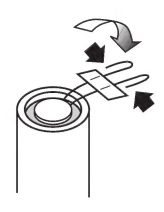
B. Hold engine upright, drop in igniter. Igniter must touch propellant. Do not bend igniter.



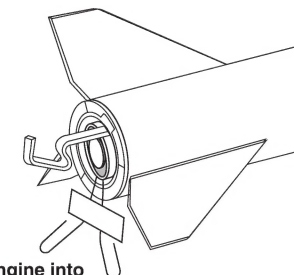
C. Insert igniter plug.



D. Push plug all the way in.

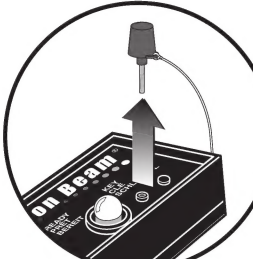


E. Bend igniter wires back.

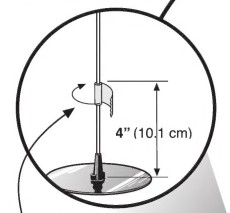


F. Insert engine into rocket.

COUNTDOWN AND LAUNCH

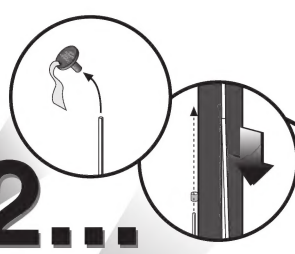


KEY ALWAYS OUT UNTIL FINAL COUNTDOWN!

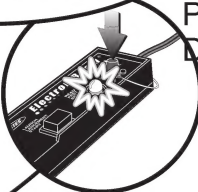


1... 2... 3... 4... 5... (4... 3... 2... 1...)

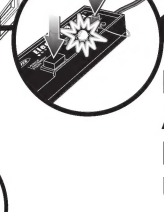
MASKING TAPE




3... 4... 5... (4... 3... 2... 1...)



PRESS KEY DOWN & HOLD



HOLD KEY DOWN AND PRESS BUTTON UNTIL LIFT-OFF!



15 FT. (5 M)

LAUNCH SUPPLIES
(Sold Separately)

- Estes® Porta Pad® II Launch Pad and Electron Beam® Controller
- Recovery Wadding
- Igniters (with Engines)
- Igniter Plugs (with Engines)
- Estes® Recommended Engines: A8-3, (First Flight) B4-4, B6-4, B6-6, C6-5, C6-7

PRECAUTIONS

NAR Safety Code





NO DRY GRASS OR WEEDS

FLYING YOUR ROCKET

Choose a large field (500 ft. [152 m] square) free of dry weeds and brown grass. The larger the launch area, the better your chance of recovering your rocket. Football fields and playgrounds are great. Launch only with little or no wind and good visibility. Always follow the National Association of Rocketry (NAR) SAFETY CODE.

MISFIRES

TAKE THE KEY OUT OF THE CONTROLLER. WAIT ONE MINUTE BEFORE GOING NEAR THE ROCKET! Disconnect the igniter clips and remove the engine. Take the plug and igniter out of the engine. If the igniter has burned, it worked but did not ignite the engine because it was not touching the propellant inside the engine. Put a new igniter all the way inside the engine without bending it. Push the plug in place. Repeat the steps under Countdown and Launch.